

**METHOD AND APPARATUS FOR PLACEMENT OF CELLS  
IN AN IC DURING FLOORPLAN CREATION**

ABSTRACT OF THE DISCLOSURE

Objects are placed in a rectangle and their  
5 coordinates of the objects and are adjusted to  
establish a substantially uniform density of objects  
in the rectangle. The evaluation of coordinates is  
performed by placing the wires between cells  
coordinates and adjusting the cell coordinates to  
10 connect the cells to the wires. The substantially  
uniform density is achieved by dividing the rectangle  
into first and second rectangles having equal free  
areas and into third and fourth rectangles having  
equal areas of objects. The coordinates of the  
15 objects are adjusted based on boundaries between the  
first and second rectangles and between the third and  
fourth rectangles.